CLAIMS

We claim:

Sub 1.   A method of transcoding an input video data stream to achieve a desired output video data stream, said transcoding method comprising:

5   decoding the input video data stream,

intra-transcoding the decoded video data stream,

encoding the intra-transcoded video data stream, and

post-encoding the encoded intra-transcoded video data stream.

2.   The method according to claim 1 wherein the step of intra-transcoding further comprises deinterlacing the video data stream.

3.   The method according to claim 1 wherein the step of intra-transcoding further comprises cropping the video data stream.

4.   The method according to claim 1 wherein the decoded video data stream includes compression errors and the step of intra-transcoding further comprises removing the compression errors from the decoded video data stream.

5.   The method according to claim 1 wherein the step of intra-transcoding further comprises synchronizing the video data stream.

6.   The method according to claim 1 wherein the step of encoding further comprises applying an encoding profile to achieve the desired output video data stream.

20 7.   The method according to claim 6 wherein the step of applying an encoding profile to achieve the desired output video data stream further comprises setting a bit rate to achieve the desired output video data stream.

8.   The method according to claim 6 wherein the step of applying an encoding profile

to achieve the desired output video data stream further comprises setting a video frame

size to achieve the desired output video data stream.

9.   The method according to claim 6 wherein the step of applying an encoding profile

5   to achieve the desired output video data stream further comprises setting a key frame

spacing to achieve the desired output video data stream.

10.   The method according to claim 6 wherein the step of applying an encoding profile

to achieve the desired output video data stream further comprises setting a quality to

achieve the desired output video data stream.

10   11.   A system for transcoding an input video data stream to a desired output video

data stream, said transcoding system comprising:

        means for decoding the input video data stream

        means for intra-transcoding the decoded video data stream,

        means for encoding the intra-transcoded video data stream, and

15   means for post-encoding the encoded intra-transcoded video data stream.

12.   The system according to claim 11 wherein the means for intra-transcoding further

comprises means for deinterlacing the video data stream.

13.   The system according to claim 11 wherein the means for intra-transcoding further

comprises means for cropping the video data stream.

20   14.   The system according to claim 11 wherein the decoded video data stream

includes compression errors and the means for intra-transcoding further comprises

means for removing the compression errors from the decoded video data stream.

15.   The system according to claim 11 wherein the means for intra-transcoding further comprises means for synchronizing the video data stream.

16.   The system according to claim 11 wherein the means for encoding further comprises means for applying an encoding profile to achieve the desired output video

5   data stream.

17.   The system according to claim 16 wherein the means for applying an encoding profile to achieve the desired output video data stream further comprises means for setting a bit rate to achieve the desired output video data stream.

18.   The system according to claim 16 wherein the means for applying an encoding

10   profile to achieve the desired output video data stream further comprises means for setting a video frame size to achieve the desired output video data stream.

19.   The system according to claim 16 wherein the means for applying an encoding profile to achieve the desired output video data stream further comprises means for setting a key frame spacing to achieve the desired output video data stream.

15   20.   The system according to claim 16 wherein the means for applying an encoding profile to achieve the desired output video data stream further comprises means for setting a quality to achieve the desired output video data stream.

20